

EPA-HQ-2018-006482

Tetrahedron requests the data evaluation records or MRIDs for the studies listed on the attachment to complete an evaluation of Thiophanate-methyl (CAS# 23564-05-8).

STUDIES & DER/AGENCY REVIEWS FORWARDED ON APRIL 26, 2018 – EPA-HQ-2018-006482

MRID 32673 Noguchi, T.; Hashimoto, Y.; Makita, T.; et al. (1971) Chronic Oral Toxicity Studies of Thiophanate, Diethyl 4,4'-O-phenylene bis 3-thioallophanate in Sprague-Dawley Strain Rats. (Unpublished study received Jun 27, 1980 under 4581-336; prepared by Nippon Soda Co., Ltd. in cooperation with Nara Medical Univ., Second Dept. of Pathology, submitted by Pennwalt Corp., Agchem Div., King of Prussia, Pa.; CDL:242740-B)

MRID 117868 Taniguchi, T.; Hashimoto, Y.; Tsubura, Y.; et al. (1972) Final Report on the Chronic Oral Toxicity Studies of Topsin M| in Rats of Sprague Dawley Strain for 24 Months. (Unpublished study received Sep 7, 1972 under 2G1249; prepared by Nippon Soda Co., Ltd., Japan and others, submitted by Pennwalt Corp., Takoma, WA; CDL:091779-C) **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42311801 Auletta, C. (1992) A Chronic (1-Year) Oral Toxicity Study in the Dog via Capsule Administration with Thiophanate-methyl: Lab Project Number: 89-3526. Unpublished study prepared by Bio/dynamics, Inc. 485 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42607701 Tompkins, E. (1992) 18-month Dietary Oncogenicity Study in Mice with Topsin M: Final Report: Lab Project Number: WIL-75024. Unpublished study prepared by WIL Research Labs, Inc. 2009 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42896601 Takaori, H. (1993) Thiophanate-methyl--Combined Chronic Toxicity/Oncogenicity Study in Rats: Lab Project Number: 0566: 0023. Unpublished study prepared by Nippon Soda Co., Ltd., Environ. Tox. Laboratory. 1993 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 45208902 York, R. (2000) Oral (Stomach Tube) Developmental Toxicity Study of Thiophanate-Methyl in Rabbits (MRID 45051001): Lab Project Number: 914-002. Unpublished study prepared by Argus Research Laboratories. 94 p.

MRID 45208903 Christian, M. (1997) Critical Review of Two Developmental (Embryo-Fetal Toxicity/Teratogenicity) Toxicity Studies of Thiophanate Methyl in Rabbits. Unpublished study prepared by Argus International, Inc. 82 p.

MRID 92186011 Plankenhorn, L. (1990) Pennwalt Corporation Phase 3 Summary of MRID 0146643. A Dietary Teratology Study of Topsin M Fungicide in Albino Rats: Project WIL-75002. Prepared by WIL Research Lab. Inc. 8 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42899101 Muller, Wolfgang (1993) Two Generation Oral (Dietary Administration) Reproduction Toxicity Study in the Rat (With One Litter in the P and Two Litters in the F1 Generation): Topsin-M: Final Report-Volume 1: Lab Project Number: 996-683-004. Unpublished study prepared by Hazleton Labs. Deutschland GMBH. 1401 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 43624401 Muller, W.; Singer, A. (1995) Final Addendum Histopathology Report and Peer Review Pathology Report to MRID 42899101: Topsin-M: Two Generation Oral (Dietary Administration) Reproduction Toxicity Study in the Rat (With One Litter in the P And Two Litters in the F1 Generation): Lab Project Number: 683-004. Unpublished study prepared by Hazleton Europe and Battelle. 108 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42123504 Hoberg, J. (1991) Thiophanate-methyl - Determination of Effects on Seed Germination, Seedling Emergence and Vegetative Vigor of Ten Plant Species: Final Report: Lab Project Number: 91-7-3854: 12442.1190.6100.610. Unpublished study prepared by Springborn Labs., Inc. 154 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 44237401 Hoberg, J. (1997) Thiophanate-methyl--Determination of the Effects on Seed Germination, Seedling Emergence, and Vegetative Vigor of ten Plant Species: Supplemental Report: Lab Project Number: 91-7-3854: 12442.1190.6100.610. Unpublished study prepared by Springborn Labs, Inc. 50 p.

MRID 44404101 Teixeira, D. (1997) Thiophanate-methyl--Determination of Effects on Seed Germination and Seedling Emergence of Two Plant Species: Final Report (Supplement): Lab Project Number: 12442.0597.6247.610: 97-7-7033. Unpublished study prepared by Springborn Labs, Inc. 101 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42123505 Hoberg, J. (1991) Thiophanate-methyl--Toxicity to the Duckweed Lemna gibba G3: Final Report: Lab Project Number: 91-8-3878: 12442.1190.6101.410. Unpublished study prepared by Springborn Labs., Inc. 57 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42229801 Hoberg, J. (1992) Thiophanate-Methyl--Toxicity to the Freshwater Green Alga, Selenastrum capricornutum: Final Report: Lab Project Number: 91-9-3915: 12442.1190.6102.430. Unpublished study prepared by Springborn Laboratories, Inc. 68 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42229802 Hoberg, J. (1992) Thiophanate-Methyl--Toxicity to the Freshwater Diatom Navicula Pelliculosa: Final Report: Lab Project Number: 91-10-3965: 12442. 1190. 6102. 440. Unpublished study prepared by Springborn Laboratories, Inc. 71 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42229803 Hoberg, J. (1992) Thiophanate-methyl--Toxicity to the Marine Diatom, Skeletonema costatum: Lab Project Number: 91-10-3939: 12442.1190.6102.450. Unpublished study prepared by Springborn Labs, Inc. 72 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 42298102 Hoberg, J. (1992) Thiophanate-methyl--Toxicity to the Freshwater Blue-Green Alga Anabaena Flos-Aquae: Final Report: Lab Project Number: 91-10-3963: 12442.1190.6102.420. Unpublished study prepared by Springborn Labs., Inc. 67 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 44866201 Castro, L. (1999) Dissipation of Dislodgeable Residues of Topsin M from Strawberry Leaves: Lab Project Number: KP-98-08. Unpublished study prepared by Elf Atochem North America, Inc. 166 p. {OPPTS 875.2100} Bibliography Page 73 of 252 **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 44876301 Castro, L. (1999) Dissipation of Dislodgeable Residues of Topsin M from Apple Leaves: Lab Project Number: KP-98-07. Unpublished study prepared by Elf Atochem NorthAmerica, Inc. 178 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 45027501 Ampofo, S. (2000) Dissipation of Dislodgeable Residues of 3336 WP from Cut Flowers: Lab Project Number: KP-98-47. Unpublished study prepared by Elf Atochem. 160 p. **(REVIEW SENT VIA FOIAONLINE ON 4/26/18)**

MRID 40053209 Yamada, T.; Matsuda, M. (1986) Thiophanate-methyl - Honey Bee Acute Contact LD50: Study No. NISSO IE-6703M. Unpublished study prepared by Nippon Soda Co., Ltd., Biological Laboratory. 11 p.

MRID 92186015 Soeda, Y. (1990) Pennwalt Corporation Phase 3 Summary of MRID 40053209. Thiophanate-methyl - Honey Bee Acute Contact LD50: Project IE - 6703M. Prepared by Nippon Soda Co. LTD. 9 p.